

CERATOMYA SANDBERGER, 1864 (MOLLUSCA, BIVALVIA) :
PROPOSED DESIGNATION OF A TYPE-SPECIES UNDER THE
PLENARY POWERS AND ADDITION OF *CERATOMYA* AND
CERATOMYOPSIS COSSMANN, 1915, TO THE OFFICIAL LIST.
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The main object of this application is to obtain sanction for the adoption of the generic name *Ceratomya* Sandberger, 1864 (Mollusca ; Bivalvia) and to establish its use in the sense in which it is customarily employed ; a subordinate application is to obtain sanction for the adoption of the generic name *Ceratomyopsis* Cossmann, 1915, in similar circumstances.

2. The generic name *Ceromya* was proposed by L. Agassiz in 1842 (*Études critiques sur les mollusques fossiles. Monographie des Myes* : 25), six nominal species being included in it but no type-species being designated. These six species included *Isocardia excentrica* Roemer (ex Voltz MS.) and *Isocardia tenera* J. Sowerby. The name *Ceromya* Agassiz was invalid as it was a homonym of *Ceromya* Robineau-Desvoidy, 1830, a generic name for Diptera still in use by entomologists.

3. Herrmannsen (1846, *Indicis generum Malacozoorum* 1 : 213) cited *Isocardia tenera* Sowerby as type-species of *Ceromya* Agassiz, and no earlier type-designation has been discovered.

4. F. Sandberger (1864, *Würzburg. naturw. Z.*, 5 : 16) published a list of species in which a new generic name *Ceratomya* appeared, without explanation, in combination with two specific names, the binomina being given as "*Ceratomya plicata* Ag." and "*Ceratomya tenera* Sow. sp.". These were two of the six species which Agassiz had included in *Ceromya*, *C. plicata* having been described by him as new. It is thus clear that the name *Ceratomya* was introduced by Sandberger to replace *Ceromya* Agassiz, and it is most probable that it was intended as an emendation rather than as a new name proposed because of homonymy. By the new International Code the name *Ceratomya* would appear to be (a) an "unjustified emendation" possessing "status in nomenclature with its own date and author", but at the same time "a junior objective synonym of the name in its original form" (Article 33(a)(ii)), hence taking the same type-species as *Ceromya* Agassiz and not necessarily one of the two nominal species listed by Sandberger ; (b) an available name as complying with the requirement of "citation, in combination with a new genus-group name, of one or more available specific names".

5. The next type-designation for *Ceromya* Agassiz (ignoring those designating species not cited by Agassiz) was that of Stoliczka (1871, *Cretaceous fauna of southern India. III. Pelecypoda* : xvi), who misspelt the generic name "*Ceromia*" and cited "*C. excentrica* Ag." as type.

6. P. Fischer (1887, *Manuel de Conchyliologie* : 1164) erected a family Ceromyidae based on *Ceromya* Agassiz and remarked "le vocable *Ceromya* est mal formé et devrait s'écrire *Ceratomya*".

7. Cox (1928, *Quart. J. geol. Soc.* **84** : 244) pointed out that *Ceromya* Agassiz was a homonym and (not at that date having come across Sandberger's 1864 list) proposed to replace it by *Ceratomya* Fischer and designated "*Isocardia excentrica* (Voltz) Roemer" as type-species thereof.

8. Arkell (1934, *British Corallian Lamellibranchia* (*Mon. palaeont. Soc.*) : 315) accepted *Ceratomya* Fischer as a generic name replacing *Ceromya* Agassiz and changed the family name to Ceratomyidae.

9. Notwithstanding its designation as type-species of *Ceromya* Agassiz by Herrmannsen in 1846, no subsequent author has included *Isocardia tenera* Sowerby in *Ceromya* or *Ceratomya*, and it is now referred to the genus *Anisocardia* Munier-Chalmas, 1863 (type-species, by monotypy, *A. elegans* Munier-Chalmas), which is at present included in the Arcticidae [Cyprinidae] and has never been placed in the Ceromyidae or Ceratomyidae.

10. The generic name *Ceromya* or *Ceratomya*, on the other hand, is now universally applied to the taxonomic group typified by the species *Isocardia excentrica* Roemer.

11. No name except *Ceratomya* is at present available as a replacement name for *Ceromya* Agassiz.

12. P. de Loriol (1897, *Mollusques et brachiopodes de l'Oxfordien supérieur et moyen du Jura bernois* (*Mém. Soc. pal. suisse*, **24**) : 79) erected a new genus *Ceromyopsis* for a group of Mollusca (Bivalvia) similar to *Ceromya* Agassiz. Its type-species was subsequently designated as *Ceromyopsis helvetica* de Loriol by Rollier (1913, *Fossiles nouveaux ou peu connus* (*Mém. Soc. pal. suisse* **39**) : 269). Unfortunately it was a homonym of *Ceromyopsis* Meek, 1872, also a genus of Bivalvia. Cossmann (1915, *Bull. Soc. nivern. Lett. Sci.* (3) **15** : 7) emended *Ceromyopsis* de Loriol to *Ceratomyopsis* on etymological grounds. This was an unjustified emendation, but it is proposed to regard *Ceratomyopsis* as a valid generic name available as a replacement name for *Ceromyopsis* de Loriol and having as its type-species *Ceromyopsis helvetica* de Loriol in accordance with the designation by Rollier cited above. This course has already been adopted by L. Van de Poel (1960, *Mém. Inst. géol. Univ. Louvain* **21** : 231).

13. The Commission is therefore asked :

(1) to use its plenary powers to set aside all designations of type-species for the nominal genus *Ceratomya* Sandberger, 1864, made prior to the Ruling now requested and, having done so, to designate *Isocardia excentrica* Roemer, 1836, to be the type-species of that genus ;

(2) to place the following generic names on the Official List of Generic Names in Zoology :

(a) *Ceratomya* Sandberger, 1864 (gender : feminine), type-species, by designation under the plenary powers in (1) above, *Isocardia excentrica* Roemer, 1836, with priority from 1842 ;

(b) *Ceratomyopsis* Cossmann, 1915 (gender : feminine), type-species, by designation by Rollier, 1913, through *Ceromyopsis* de Loriol, 1897, *Ceratomyopsis helvetica* de Loriol, 1897 ;

(3) to place the following specific names on the Official List of Specific Names in Zoology :

- (a) *excentrica* Roemer, 1836 (*Versteinerungen des norddeutschen Oolithen-Gebirges* : 106), as published in the binomen *Isocardia excentrica* (type-species of *Ceratomya* Sandberger, 1864) ;
- (b) *helvetica* de Loriol, 1897 (*Mollusques et brachiopodes de l'Oxfordien supérieur et moyen du Jura bernois* (*Mém. Soc. pal. suisse* **24**): 79), as published in the binomen *Ceromyopsis helveticus* [sic] (type-species of *Ceratomyopsis* Cossmann, 1913) ;
- (4) to place the family-group name CERATOMYIDAE Arkell, 1934 (type-genus *Ceratomya* Sandberger, 1864) on the Official List of Family-Group Names in Zoology with priority from 1887 ;
- (5) to place the family-group name CEROMYIDAE Fischer, 1887 (type-genus *Ceromya* Agassiz, 1842) (invalid because the name of its type-genus is a junior homonym) on the Official Index of Rejected and Invalid Family-Group Names in Zoology.